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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/597,607	06/20/2000	Sunil K. Rao	RAO-013	5943

7590 02/11/2004
Stephen E Baldwin
751 Laurel St., PMB 621
San Carlos, CA 94070

EXAMINER

CHOW, CHARLES CHIANG

ART UNIT	PAPER NUMBER
2685	12

DATE MAILED: 02/11/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/597,607

Applicant(s)

RAO ET AL.

Examiner

Charles Chow

Art Unit

2685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13, 19-23, 25-28, 30, 32, 33, 37, 38 and 40-42 is/are rejected.
- 7) ☒ Claim(s) 14-16, 18, 24, 29, 31, 34-36, 39 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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**Office Action for
Amendment received on 12/17/2003**

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

1. Claims 13, 17, 20-23, 25-28, 30, 32 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claims 13, 17, 20-23, 25-28, 30, 32 has subject matter, which is not described in the specification for the enablement. See MPEP 2106.02

Claim 13, "a network or local server; means for communicating between the server and intelligent keyboard" is not supported in the specification.

Claim 17, the "intelligent keyboard and/or the central server" is not supported in the specifications for the "and" conditions for the associated claimed features.

Claims 20-21, the "and" in "the intelligent keyboard itself and or in conjunction with the local or network server", which is not supporting the "and" condition of the associated claimed features in the specifications.

Claim 22 does not clearly defined, indefinite, about the "reconfigured", which is not describe in the claim of what, which, is reconfigured.

Claim 23, 25, the "and" in "the intelligent keyboard and or the local or network server", which is which is not supporting the "and" condition of the associated claimed features in the specifications.

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Claim 26, the "and" in "the intelligent keyboard and or within the local or network server", which is not supporting the "and" condition of the associated claimed features in the specifications.

Claim 27, the "and" in "the intelligent keyboard itself and or in conjunction with the local or network server", which is not supporting the "and" condition of the associated claimed features in the specifications.

Claim 28, the "and" in line 18-19, "collaborating being enable by utilizing the processor power of the intelligent keyboard itself and or the local or network server", which is not supporting the "and" condition of the associated claimed features in the specifications.

Claim 30, lines 9-10, the "and" in "look up table contained within keyboard and or the local or network server", which is not supporting the "and" condition of the associated claimed features in the specifications.

Claim 32, line 9, "the central or network server" does not fully support the "and" condition recited earlier in line 4, "a central server , local server and/or a network server".

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Regarding **claim 19**, the phrase "the selected keyboard menu" and "the servers", renders the claim(s) indefinite because the claim include elements not actually disclosed (those encompassed by " the selected keyboard menu" and "the servers"), thereby rendering the scope of the claim unascertainable. See MPEP § 2173.05(d).

Claim 19 has antecedent basis problem in line 7, the "the selected keyboard menu", but

"the selected keyboard menu" is not mention earlier in claim 19 before. Also, the "indicate the selected keyboard menu" is not to "selecting keys to light up with one or more colors", In line 9, "the servers" is not mentioned earlier in claim 19 before.

Claim objections

3. Claims 33, 37-38, 40-42 objected to because of the following informalities: Capital letters in the claim. Appropriate correction is required.

Claim 33, has capital letters "Central Sever".

Claim 37 has capital letters "Central or Escrow Server".

Claim 38 has capital letters "Central Sever and or Escrow Server".

Claim 40 has capital letters "Central Server".

Claim 41 has capital letters "Dynamic" and "Global Positioning System".

Claim 42, the "and" in "and or" in lines 13-14, lines 17-18, which is not supported in the specification for the "and" condition for the more icons, macros and touch screen enabled utilities for intelligent keyboard, a central server and the intelligent appliance.

4. Claims 14-16, 18, 24, 29, 31, 34-36, 39 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Chow whose telephone number is (703)-306-5615.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

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Edward Urban, can be reached at (703)-305-4385.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

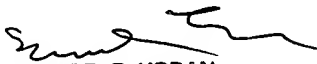
or faxed to: (703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or
proceeding should be directed to the Technology Center 2600 Customer Service Office
whose telephone number is (703) 306-0377.

Charles Chow C,C .

January 31, 2004.


EDWARD F. URBAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600